

## Abstract

### 5 Optical recording medium based on a tellurium and zinc alloy

The optical recording medium comprises an active layer (2) made of inorganic material, presenting a front face (3) for receiving an optical radiation (4) during writing operations, and a rear face (5). The inorganic material is a tellurium and  
10 zinc alloy comprising an atomic percentage of between 60% and 70% of zinc and between 30% and 40% of tellurium. The alloy comprises preferably 65% of zinc and 35% of tellurium. The medium may comprise a semi-reflecting layer (6) arranged on the front face (3) of the active layer and/or an additional metal layer (7) arranged on the rear face (5) and/or a protective layer (8) of polymer material  
15 on the rear face (5). Thus, writing powers, a mark resolution and a storage density corresponding to DVD format specifications may be achieved.

(Figure 4)